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1

☒ 2j25PARTIALLY DEGLYCOSYLATED
GLUCOCERAMIDASE

Release Date: 06-Dec-2006 Exp. Method:

Resolution: 2.90 Å

*Characteristics**Classification* HydrolasePolymer: 1 Molecule: GLUCOSYLCER/
Fragment: RESIDUES 40-536 Chains: 1*Compound*

no.: 3.2.1.45

Polymer: 2 Molecule: SUGAR (2-MER)

Polymer: 4 Molecule: SUGAR (5-MER)

Polymer: 5 Molecule: SUGAR (3-MER)

*Authors*Brumshtein, B., Wormald, M.R., Sil
L., Futerman, A.H., Sussman, J.L.☒ 1ogs

HUMAN ACID-BETA-GLUCOSIDASE

Release Date: 03-Jul-2003 Exp. Method:

Resolution: 2.00 Å

*Characteristics**Classification* Hydrolase

Polymer: 1 Molecule: GLUCOSYLCER/

Chains: A,B EC no.: 3.2.1.45

Polymer: 2 Molecule: SUGAR (2-MER)

Dvir, H., Harel, M., McCarthy, A.A.,

L., Silman, I., Futerman, A.H., Sus

J.L., Israel Structural Proteomics C

Authors☒ 1y7vX-ray structure of human acid-beta
glucosidase covalently bound to
conduritol B epoxide

Release Date: 12-Apr-2005 Exp. Method:

Resolution: 2.40 Å

Characteristics

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Classification Hydrolase

Compound Polymer: **1** Molecule: **Glucosylceramida**

Mutation: **R495H** Chains: **A,B** EC no.: **3**
Polymer: **2** Molecule: **SUGAR (2-MER)**
Premkumar, L., Sawkar, A.R., Bold
S., Toker, L., Sliman, I., Kelly, J.W.
A.H., Sussman, J.L., Israel Structu
Proteomics Center (ISPC)

☒ 2n6x



Structure of acid-beta-glucosidase
with pharmacological chaperone
provides insight into Gaucher
disease




Characteristics

Release Date: 26-Dec-2006 Exp. Method:

Resolution: 2.11 Å

Classification Hydrolase

Compound Polymer: **1** Molecule: **Glucosylceramida**

Chains: **A,B,C,D** EC no.: 3.2.1.45 

Authors Lieberman, R.L., Petsko, G.A., Ring

☒ 2nt0



Acid-beta-glucosidase low pH,
glycerol bound




Characteristics

Release Date: 26-Dec-2006 Exp. Method:

Resolution: 1.79 Å

Classification Hydrolase

Compound Polymer: **1** Molecule: **Glucosylceramida**

Chains: **A,B,C,D** EC no.: 3.2.1.45 

Authors Lieberman, R.L., Petsko, G.A., Ring

☒ 2nt1



Structure of acid-beta-glucosidase
at neutral pH




Characteristics

Release Date: 26-Dec-2006 Exp. Method:

Resolution: 2.30 Å

Classification Hydrolase

Compound Polymer: **1** Molecule: **Glucosylceramida**

Chains: **A,B,C,D** EC no.: 3.2.1.45 

Authors Lieberman, R.L., Petsko, G.A., Ring